

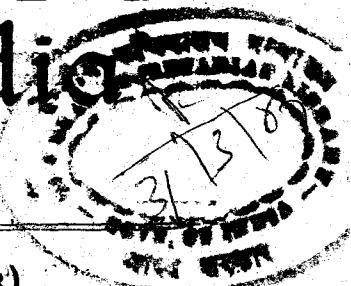


# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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नई विल्ली, शनिवार, फरवरी 28, 1987 (फाल्गुन ९, १९०८)

No. ९]

NEW DELHI, SATURDAY, FEBRUARY 28, 1987 (PHALGUNA 9, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

## [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 28th February 1987

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## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

214, ACHARYA JAGADISH BOSE ROAD CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 20th January 1987

59/Cal/87. Dalmia Institute of Scientific & Industrial Research. And Hari Fertilizers Limited. Method of granulating ammonia based fertilizer.

60/Cal/87. Alfa-Laval Food & Dairy Engineering AB. A process for the production of ethanol through molasses fermentation.

61/Cal/87. Eation Corporation. Auxiliary transmission section.

62/Cal/87. Michael Sparling. Interconnectable beverage container system.

63/Cal/87. Kone Elevator GmbH. Load weighing means for a lift.

64/Cal/87. Kone Elevator GmbH. Electronic guard strip.

65/Cal/87. Kone Elevator GmbH. A lift cage adapted to be exactly aligned with the floor level and procedure for aligning thereof.

66/Cal/87. Shri Saibal Roy. Magniducer.

The 21st January 1987

67/Cal/87. Klein, Schanzlin & Becker Aktiengesellschaft. A valve.

The 22nd January 1987

68/Cal/87. Lanxide Technology Company. Inverse shape replication method of making ceramic composite articles and articles obtained thereby.

69/Cal/87. Dansk Industri Syndikat A/S. A core setter.

70/Cal/87. Fred W. Hottenroth & Fred W. Hottenroth, III. Biomass stove.

71/Cal/87. Pradip Kumar Routh. Dilip gum-cum tooth brush.

The 23rd January 1987

72/Cal/87. Kone Elevator GmbH. Procedure and means for monitoring current data in a thyristor-controlled direct current drive.

73/Cal/87. Kone Elevator GmbH. Apparatus for interfacing weighing data with a lift control system.

74/Cal/87. Kone Elevator GmbH. Sound deadening circuit of a thyristor-controlled electric motor.

75/Cal/87. Dr. Peter Vinz. Energy-saving circuit for continuously operated distillation units.

76/Cal/87. Kone Elevator GmbH. Procedure and means for counting the number of stopping objects on a spot.

The 27th January 1987

77/Cal/87. Luminis Pty. Ltd. and Australian Commercial Research & Development Limited. Method of exploration for uranium and petroleum. (24th January 1986).

78/Cal/87. Gould Inc. A process for electroplating copper foil.

79/Cal/87. Mitsui Toatsu Chemicals, Incorporated. Method for stopping and starting an acrylamide reactor.

80/Cal/87. Hitachi Construction Machinery Co. Ltd. Hydraulic drive system.

81/Cal/87. Mario Magaldi. Process and apparatus for continuous dry removal of bottom ash.

The 28th January 1987

82/Cal/87. Shri Kamlesh Deka. A simple technique for noiseless radio communication using continuous wave.

83/Cal/87. Indian Institute of Technology, Kharagpur and A. Chakraverty, Assistant Professor and S. K. Das, Lecturer. A solar cum husk fired dryer.

84/Cal/87. Siemens Aktiengesellschaft. Automation unit.

85/Cal/87. Siemens Aktiengesellschaft. Information transfer system for transferring binary information.

86/Cal/87. Gas Research Institute. Advanced heater.

87/Cal/87. Kone Elevator GmbH. Procedure and measuring circuit for adjusting the stopping of an elevator.

88/Cal/87. Kone Elevator GmbH. Procedure and means for monitoring the phase sequence in a three-phase network.

89/Cal/87. Kone Elevator GmbH. An improved thyristor converter drive.

## COMPLETE SPECIFICATION ACCEPTED

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CLASS : 131-A.

158947

Int. Cl. : F 21 b 23/00.

## DEVICE PROVIDED WITH RETRACTABLE ARMS FOR THE ANCHORING OF AN INSTRUMENT IN A CAVITY.

Applicant : INSTITUT FRANCAIS DU PETROLE, 4, AVENUE DE BOIS-PRÉU, 92502 RUEIL-MALMAISON, FRANCE.

Inventor : 1. JEAN LAURENT.

Application No. 264/Cal/82 filed March 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A retractable anchoring device adapted to rigidly position intermittently an instrument (1) lowered into a cavity dug in the earth and connected to a surface installation through a cable (2), by application against the wall of said cavity of at least one pivoting anchoring arm (4,5), each anchoring arm co-operating with a jack (14) actuated by an actuation system arranged inside the instrument and comprising a piston (6) displaceable inside a first cylinder (7) containing a liquid, driving means for displacing the piston and means for applying to the piston the static pressure prevailing in use into the cavity, comprising a chamber of variable volume containing a liquid whose internal pressure is maintained equal to pressure (II) prevailing in the cavity, wherein each anchoring arm (4, 5) is permanently connected to the rod of the associated actuation jack (14) and in that the first cylinder (7) is associated to means for limiting the forces applied to each anchoring arm during its motion aside or its retraction.

Compl. Specn. 15 pages.

Drgs. 5 sheets.

CLASS : 107-G, K.

158948

Int. Cl. : F 02 m 59/46.

BYPASS VALVE CONTROLLER BY TURBINE PRESSURE, FOR TURBOCHARGED INTERNAL COMBUSTION ENGINES.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF CH-5401 BADEN, SWITZERLAND.

Inventors : 1. HANSULRICH HORLER, 2. AMBRO-GIO PEREGO.

Application No. 390/Cal/82 filed April 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Bypass valve, controlled by turbine pressure, for turbocharged internal combustion engines, for controlling the overflow into the exhaust gas passage, from the charge air side of the compressor of the turbocharger, upstream of the turbine inlet, this bypass valve having a valve element for opening and closing the connection between the charge air duct and the exhaust gas passage, an actuating member reacting to pressure-differences, for controlling the lifting movement of the valve element, as well as having spring devices for achieving the desired variation of the lifting movement, and adjustment screws for the maximum lift and the spring preload, wherein the ratio of the area included by those area-elements of the actuating member (21, 33) to which pressure is effectively applied, to the area included by those area-elements of the valve elements (18,31) to which pressure is effectively applied, is essentially equal to 1, so that the lift of the valve is essentially controlled only by the pressure PT upstream of the turbine inlet.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 33-A.

158949

Int. Cl. : B 22 d 11/00.

APPARATUS THAT ENABLES METALS OR ALLOYS TO BE CAST CONTINUOUSLY IN THE FORM OF BARS OR STRIPS.

Applicant : UGINE ACIERS, OF 10, RUE DU GENERAL FOY, 75008 PARIS, FRANCE.

Inventor : 1. ROBERT PETIT.

Application No. 433/Cal/82 filed April 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An apparatus, that enables metals or alloys to be cast continuously in the form of bars or strips, comprising a rotary casting wheel, said wheel having a grooved rim, and means for closing or opening that rim along portions of its periphery, comprising also means for introducing liquid metal into said groove and means spaced about the periphery for extracting the solidified bar or strip, characterised in that said closing and opening means comprise a plurality of movable flaps (31, 39), each flap being pivotally mounted on the casting wheel so that it is fixed in location along the rim (30) of the wheel during its rotation, and means (44, 36) for closing and opening the flaps, so that the flaps are in the closed position between the point of liquid metal introduction and the point of solidified metal extraction, and are open from the extraction point to the introduction point.

Compl. Specn. 16 pages.

Drgs. 7 sheets.

CLASS : 69-I.

158950

Int. Cl. : H 01 h 33/00.

ELECTROCHEMICAL CELL SHUNTING SWITCH ASSEMBLY WITH MATRIX ARRAY OF SWITCH MODULES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. ROBERT MACQUIRE HRUDA.

Application No. 449/Cal/82 filed April 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An electrochemical cell shunting switch assembly which is connectable to the terminals of adjacent series connected electrochemical cells to provide an efficient high current capacity shunt path around the shunted cell, and to permit diversion of the shunt current back through the shunted cell in a predetermined time dependent manner, wherein the shunting switch assembly comprises :

(a) first and second bus connectors, the first bus connector connectable at one end to a terminal of a cell adjacent to the cell to be shunted, and the second bus connector connectable at one end to a terminal of another cell adjacent to the cell to be shunted, with the other ends of the first and second bus connectors being disposed in spaced apart parallel planes;

(b) a matrix array of a plurality of parallel switch modules connectable between the first and second bus connectors, which matrix array includes a plurality of shunt path modules and a plurality of current diversion switch modules, each of which shunt path switch modules comprise a switch means having contacts which are relatively reciprocable to open and close the switch contacts, with one switch contact serially connected to selected low resistance means to one of the bus connectors, and the other switch contact is connected by flexible connection means to the other bus connector, with individual operating means connected to the switch contact connected to the flexible connector means for opening and closing the switch contacts, which low resistance means is selected to provide a high efficiency shunt current path; and

(c) each of which current diversion modules comprises a switch means and operating means as described above and a selected high resistance means is serially connected to one switch contact and to one of the bus connectors, which high resistance means is selected such that when the shunt path modules are opened a selected portion of the shunt current is diverted back through the shunted cell, and with sequential opening of individual current diversion modules to increase the diverted current back through the cell until with the opening of the last current diversion module all of the current has been diverted back through the previously shunted cell.

Compl. Specn. 17 pages.

Drgs. 3 sheets.

CLASS : 186-B4.

158951

Int. Cl. : H 03 k 13/02.

#### A DIGITAL COMMUNICATIONS SYSTEM.

Applicant & Inventor : ELLIOT GRUENBERG OF BROADCOM CO., 6040 BOULEVARD EAST, WEST NEW YORK, NEW JERSEY 07093, UNITED STATES OF AMERICA.

Application No. 472/Cal/82 filed April 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 10 Claims

A digital communications system comprising, a plurality of input channels for carrying information signals, means associated with each input channel for encoding said information signals into multibit digital words; timing means, controlling each of said encoding means for ordering the bit position of each multibit digital word, means for converting said ordered multibit digital words into multibit transmission code words, each bit of said multibit transmission code words identifying particular information signal carrying input channels, and means for transmitting said multibit transmission code words over a communications highway to a remote location.

Compl. Specn. 55 pages.

Drgs. 10 sheets.

CLASS : 69-I.

158952

Int. Cl. : H 01 h 45/00.

#### STARTING RELAY OF THE PTC RESISTOR TYPE IN MOTOR COMPRESSORS FOR REFRIGERATORS.

Applicant : S.p.A. NECCHI, VIA RISMONDO, 78 PAVIA, ITALY.

Inventor : 1. BAR ALFREDO.

Application No. 519/Cal/82 filed May 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 2 Claims

A starting relay of the resistor type with positive temperature co-efficient in motor compressors for refrigerators characterized by the fact that the resistor in the shape of a disc is embodied in the collector of the motor feed connectors (cluster), inside the sealed container of the said motor compressor and arranged on the pins provided on the hermetic electric connection fastened on the wall of the said container.

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 134-A.

158953

Int. Cl. : G 08 c 19/00.

#### LAMP DRIVE CIRCUIT.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventors : 1. JOSEPH DAVID FOULKES TAYLOR, 2. DAVID WILEY.

Application No. 850/Cal/82 filed July 22, 1982.

Convention dated 24th July, 1981 (81 22857) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims

A lamp drive circuit comprising a first supply input for connection to a first supply rail, a second supply inputs for connection to a second supply rail, a control input for receiving a control signal, a lamp output for connection to one side of a warning lamp, switch means and a current measuring resistor connected in series between the lamp output and the second supply input, the switch means being responsive to the signal at the control input, and voltage sensitive means responsive to the voltage drop across the current measuring resistor and arranged to restrict current flow through the switch means in the event of the voltage drop exceeding a predetermined value.

Compl. Specn. 9 pages.

Drg. 1 sheet.

CLASS : 172-E.

158954

Int. Cl. : B 65 h 54/00 &  
B 65 h 54/22.

#### WINDER FOR THREAD.

Applicant : MASCHINENFABRIK RIETER AG., OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : 1. KURT MUELLER, 2. WALTER VETTERLI, 3. MARKUS FEUSI, 4. JOSEF HUBER, 5. HEINZ OSWALD, 6. PETER PFYFFER, 7. KURT SCHEFER, 8. KURT SALVISBERG.

Application No. 1026/Cal/82 filed September 3, 1982.

Convention dated 3rd September, 1981 (81 26692) U.K.

17th September, 1981 (81 28122) U.K.

10th November, 1981 (81 33836) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 33 Claims

A winder for thread comprising a contact or friction member (18) rotatable about a longitudinal axis (20) thereof for receiving a travelling thread (14) and for delivering the thread therefrom into a package (40, 42); a first chuck (24) rotatable about a longitudinal chuck axis (25) and movable along a first path (29) from a first rest position (16) spaced from said member to a winding position adjacent said member (18) to receive and wind a thread from said member (18) into a thread package (40) on the chuck (24); and movable along said first path to return to said rest position; and a second chuck (26) rotatable about a longitudinal chuck axis (27) and movable along a second path (31) from a second rest position (38) to a winding position adjacent said member (18) to receive and wind a thread from said member (18) into a thread package (42) on the chuck (26) and movable along said second path to return to said second rest position; characterised in that

said paths (29, 31) converge towards a winding zone (z), and said first and second rest positions (36, 38) are disposed on opposite sides of a plane passing through said axis (20) of the member (18) and said winding zone (z).

Compl. Specn. 75 pages.

Drgs. 15 sheets.

CLASS : 35-E.

158955

Int. Cl. : F 27 d 1/00.

**MOLTEN METAL TRANSFER CHANNELS.**

Applicant : FOSECO TRADING A.G., OF LANGEN-JOHNSTRA SSE 9, 7000 CHUR, SWITZERLAND.  
Inventors : 1. MICHAEL ROBERT CLARK, 2. DAVID WILLIAM MARTIN, 3. ROBERT STEPHEN HASELGROVE.

Application No. 1082/Cal/82 filed September 18, 1982.

Convention dated 19th September, 1981 (81 28419) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims

A molten ferrous metal transfer channel having an outer, permanent refractory lining, or a metal casing, or both, and an inner replaceable lining of refractory heat-insulating material characterized in that said inner replaceable lining comprises at least 75% by weight of a particulate refractory material such as herein described and an inorganic binder such as herein described and/or an organic binder such as herein described, the said inner replaceable lining being reusable for a plurality of molten ferrous metal transfers.

Compl. Specn. 27 pages.

Drgs. 2 sheets.

CLASS : 129-Q.

158956

Int. Cl. : B 23 k 9/00.

**A PROCESS FOR ARC-WELDING A WORK PIECE.**

Applicant : EUTECTIC CORPORATION, 40-40 172ND STREET, FLUSHING, NEW YORK 11358, U.S.A.

Inventors : 1. PAUL A. KAMMER, 2. EDWARD R. GAMBERG.

Application No. 1110/Cal/82 filed September 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for arc-welding a work piece, which comprises : electrically contacting said work piece with a weld electrode and thus forming a welding arc therewith, said weld electrode consisting essentially of a nickel core having a metallic powder-laden flux coating bonded thereto,

said flux coating containing as fluxes about 18% to 30% titanium dioxide, about 8% to 16% calcium fluoride, about 1% to 3% iron carbonate, about 1.5% to 4% calcium carbonate, about 2% to 6% calcium-magnesium carbonate, and containing as the powdered metals about 20% to 30% chromium, about 3% to 8% manganese, about 1% to 4% molybdenum, about 1% to 5% niobium about 8% to 18% iron, 0% to about 6% nickel, up to 1% graphite, and

as extrusion aids about 1% to 4% clay and about 1% to 5% organic extrusion aid material,

the flux in said coating being mixed with a bonding agent at the ratio of dry flux to bonding agent of about 5 : 1 to 10 : 1,

the composition relationship of the metal powder in the flux to the nickel core being such as to provide a weld deposit, taking into account metal losses due to

oxidation, containing less than about 0.25% C, about 10% to 20% chromium, about 5% to 12% iron, about 0.5% to 2.5% niobium, up to about 1% silicon, about 2% to 5% manganese, up to about 5% molybdenum and the balance essentially nickel,

and continuing said arc-welding to provide a weld deposit of the aforementioned composition,

the deposit rate of said weld deposit being substantially greater than the rate of deposit obtained for producing the same weld deposit using a nickel alloy core having substantially the same composition as the weld deposit.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 131-A.

158957

Int. Cl. : E 21 b 47/00.

**AN APPARATUS FOR DETERMINING THE DEPTH OF A TOOL IN A BOREHOLE.**

Applicant : SCHLUMBERGER LIMITED, AT 277 PARK AVENUE, NEW YORK 10017, U.S.A.

Inventor : 1. DAVID SO KEUNG CHAN.

Application No. 1304/Cal/82 filed November 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An apparatus for determining the depth of a tool suspended from a cable inside a borehole penetrating an earth formation comprising :

means located at the surface for generating a cable depth signal indicative of the length of cable from which the tool is suspended;

means for measuring the acceleration of the tool along the borehole axis and producing a signal representative thereof;

means responsive to the cable depth and acceleration signals for generating an estimate of the depth of the tool; and characterized by :

means for detecting a motionless tool and producing a signal indicative thereof; and

means for modifying said estimate generating means with the latter signal to maintain the tool depth estimate constant while the tool is motionless.

Compl. Specn. 28 pages.

Drgs. 7 sheets.

CLASS : 32F<sub>2</sub> (b).

158958

Int. Cl. : C07d 51/42.

**"A PROCESS OF PREPARING ISOPROPYLAMINO PYRIMIDINE DERIVATIVES".**

Applicant : SOCIETE DE CONSEILS DE RECHERCHES & D'APPLICATIONS SCIENTIFIQUES, of 264, rue du Faubourg Saint Honore, Paris 8<sup>e</sup> arr., France, a French Company.

Inventor : ANDRE ESANU.

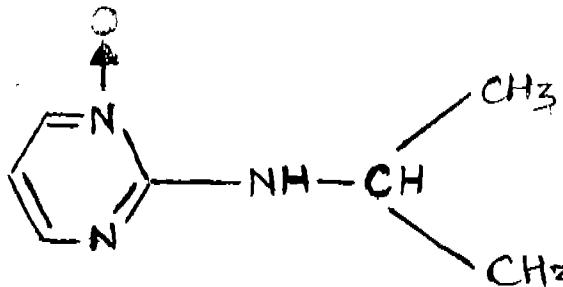
Application for Patent No. 731/Del/82 filed on 29th September, 1982.

Convention date 16th October, 1981 (8131201/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

## 2 Claims

A process of preparing 2-isopropylamino pyrimidine N-oxide of the formula



1

which comprises subjecting at 15 to 45°C, 2-isopropylamino pyrimidine to a smooth oxidation by stoichiometric proportions of a slight excess of upto 10% of an appropriate oxidising agent such as hydrogen peroxide, m-chloro-peroxybenzoic acid, potassium peroxymonosulphate, chromic acid perphosphoric acid, peracetic acid, sodium perborate or tertisobutyl hydroperoxide.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS 32 F<sub>1</sub> (a).

158959

Int. Cl. : C07c 119/06.

## "A PROCESS FOR THE PRODUCTION OF CYCLIC IMIDES".

Applicant : THE STANDARD OIL COMPANY, an Ohio corporation, having a place of business at Patent & License Division, Midland Building, Cleveland, Ohio, Sull'Oglio, Brescia, Italy.

Inventors : ERNEST CARL MILBERGER & EUNICE KIE TENG WONG.

Application for Patent No. 760/Del/1982 filed on 18th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 3 Claims

A process for the production of cyclic imides comprising contacting hydrocarbons of the kind such as herein described having at least 4 carbon atoms with ammonia or a primary, amine and molecular oxygen or an oxygen-containing gas in the vapor phase in the presence of an oxidation catalyst of the kind such as herein described comprising variable valency-metal oxides, and recovering the cyclic imide product characterised in that said reaction is effected at a temperature in the range of from 250°C to 600°C.

Compl. Specn. 29 pages.

CLASS : 127 A &amp; 134 B.

158960

Int. Cl. : F16d, 41/00 &amp; F02n 11/00.

## "A FREE WHEEL CLUTCH DEVICE".

Applicant : FABRICA ITALIANA MAGNETI MARELLI S.P.A. of Piazza S. Amnrogio, 6 Milano, Italy, an Italian Company.

Inventor : TERESIO DONGHI.

Application for Patent No. 815/Del/82 filed on 5th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 7 Claims

A free wheel clutch device for a starting motor of the type comprising a hub, providing a generally cup-shaped housing, mountable on a splined portion of the rotational shaft of the starting motor and a toothed pinion slidably mountably on the shaft for engagement with a ring gear of the engine, and wherein the hub and pinion can be coupled and uncoupled by means of a plurality of axial rollers and rollers presser springs carried by a plate like member non rotatably received within the cup shaped housing of the hub, characterised in that said plate like member comprises a metal plate having around its periphery a plurality of axial or provides on one side extensions defining an angular seat for receiving and retaining a said roller and on the opposite side a further extension directed towards the axis of a said roller on the adjacent said angular seat, the further extension inserted within a said presser spring to centre and laterally retain the spring so that the spring acts centrally on the adjacent roller at one end at the opposite and abuts the side of the expansion providing the further extension.

Compl. Specn. 14 pages.

Drgs. 2 sheets.

CLASS : 172 C 1.

158961

Int. Cl. : D 01 g 15/02, 15/26.

## "DEVICE FOR CONDENSING THE FLEECE EMERGING FROM A CARDING ENGINE".

Applicant : F LLI MARZOLI & C. S.P.A., a company organised under law of the Italian Republic of Palazzolo Sull'Oglio, Brescia, Italy.

Inventor : CLAUDIO DRAGAGNA, GLAUDIO LOCATELLI.

Application for Patent No. 818/Del/1982 filed on 8th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

## 3 Claims

A device for condensing a fleece at the exit of a carding machine for cotton, wool, synthetic and man-made fibres, comprising a dosing cylinder taking the fleece from the machine and conveying the fleece to at least one discharge point for the formation of a sliver or slivers, and a plurality of roller elements characterised in that said roller elements are arranged in at least two aligned and adjoining sets spaced apart parallel to the dosing cylinder and spaced therefrom, said roller elements having a substantially concave lateral configuration and being rotatable about respective axes arranged perpendicularly to the axis of the dosing cylinder, and drive means connected to said roller elements for rotatably driving said roller elements to generate at least two air streams substantially parallel to the axis of the dosing cylinder in opposite directions such that the fleece is conveyed by the air streams without contacting the roller elements.

Compl. Specn. 12 pages.

Drgs. 3 sheets.

CLASS : 32 F 1 [IX(1)]; 32 F 2(b) [IX(1)] & 55 D 2[XIX(1)].

158962

Int. Cl. : C 07 d 93/00.

## "A PROCESS FOR THE PREPARATION OF THIAZOLO-AND (1, 3) THIAZINO-(2, 3-c) (1, 2, 4) TRIAZINONES"

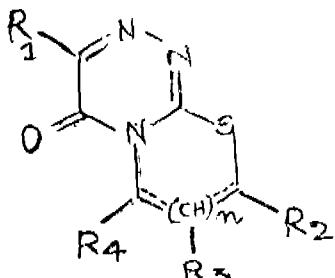
Applicant(s) : SCHERING AKTIENGESELLSCHAFT, a body corporate organised according to the laws of the Federal Republic of Germany, of Berlin and Bergkamen, Federal Republic of Germany.

Inventor(s) : WALTER KLOSE & FRIEDRICH ARNDT.

Application for Patent No. 797/Del/1982 filed on 2nd November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims



2

A process for the preparation of thiazolo-and [1, 3] thiazino-[2, 3-c] [1, 2, 4] triazinone of the general formula I in which

R<sub>1</sub> represents a C<sub>1</sub>-C<sub>6</sub>-alkyl group which may be interrupted by at least one atom selected from oxygen and sulphur atoms, a free or esterified carboxyl group, and alkyl group substituted by a free or esterified carboxyl group, C<sub>8</sub>-C<sub>8</sub>-cycloalkyl group which may be substituted by at least one alkyl group, an aromatic or aromatic-aliphatic hydrocarbon group which may be substituted by one or more substituents selected from halogen atoms and nitro groups, or a heterocyclic hydrocarbon group which may be substituted by one or more substituents selected from halogen atoms and C<sub>1</sub>-C<sub>4</sub>-alkyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy, C<sub>1</sub>-C<sub>4</sub>-alkylthio and nitro groups,

R<sub>2</sub> represents a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl group or an unsubstituted or substituted aromatic hydrocarbon group,

R<sub>3</sub> represents a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl group, an unsubstituted aromatic hydrocarbon group, or a benzyl or hydroxyl group,

R<sub>4</sub> represents a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl group, an unsubstituted or substituted aromatic hydrocarbon group, or a benzyl, C<sub>1</sub>-C<sub>4</sub>-alkoxy or hydroxy group, and

n represents 0 or 1.

wherein a compound of the general formula VI in which R<sub>1</sub> has the meaning given above and R represents a hydrogen atom or a C<sub>1</sub>-C<sub>4</sub>-alkyl group, is reacted with a compound of the general formula VII in which R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and n have the meanings given as described herein.

Compl. Specn. 44 pages.

Drgs. 3 sheets.

CLASS : 37 A.

158963

Int. Cl. : B65b, 51/00.

#### "MULTIPLE HYDROCYCLONE APPARATUS".

Applicant : CLARK AND VICARIO CORPORATION, of 10600 Endeavour Way, Pinellas Park, Florida 33565, United States of America a corporation of United States nationality.

Inventors : STEPHEN JULIUS KIND, BRUCE SPEAR MOFFATT AND JOHN CLARK STEWART.

Application for Patent No. 880/Del/1982 filed on 25th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

1. Multiple hydrocyclone apparatus of the type having :

- (a) a plurality of elongated, vertically-extensive hydrocyclones (110) disposed side by side in a plurality of horizontally-extensive loop-like arrays 120—126, said plurality of arrays including an innermost array (120) and at least one outer array (122—126) surrounding said innermost array;
- (b) a reject manifold (136) disposed beneath said hydrocyclones and connected to the reject outlets of said hydrocyclones;
- (c) an accept manifold (128) mounted above said hydrocyclones and connected to the accept outlets of said hydrocyclones;
- (d) a horizontally-extensive feed manifold (130) disposed beneath said accept manifold and above said hydrocyclones, said feed manifold including a central portion and a loop-like peripheral portion (200) aligned with said hydrocyclone arrays, the feed inlet (216) of each of said hydrocyclones communicating with the peripheral portion of said feed manifold,

characterized by :

- (e) a feed pipe (154) communicating with the peripheral portion (200) of said feed manifold via a plurality of inlet locations (236, 238) on said peripheral portion (200) remote from one another;
- (f) pipes (244, 246) connected to said peripheral portion (200) of said feed manifold adjacent each of two juncture locations (240, 242) on said peripheral portion, said juncture locations being disposed between said inlet locations (236, 238);
- (g) an accept outlet pipe (144) connected to said accept manifold (128) and extending downwardly from said accept manifold through said feed manifold (130) and further extending downwardly inside of said innermost array (120) of hydrocyclones, there being a walkway space (164) bounded at the bottom by said reject manifold (136), at the outside by said innermost array (120) of hydrocyclones, at the inside by said accept outlet pipe (144) and at the top by said feed manifold (130); and
- (h) an access passageway (192) connected to said walkway space (164) and extending to the outside of the apparatus.

Compl. Specn. 43 pages.

Drgs. 6 sheets.

CLASS : 13 A.

158964

Int. Cl. : B65b, 51/00.

#### "APPARATUS FOR THE HEAT SEALING TOGETHER CONFRONTING SIDE WALLS OF THERMOPLASTICS BAGS OR SACKS".

Applicant : RODRIC NORMAN of British nationality of 19, Chemin du Blanc Caillou, B-1420 Braine-L'alleud, Belgium and Jeanne Josee Norman Nee Jeanne Josee Neven of Belgium nationality of 19, Chemin du Blanc Caillou, B-1420, Braine-L'alleud, Belgium.

Inventors : RODRIC NORMAN & JEANNE JOSEE NORMANN,

Application for Patent No. 915/Del/1982 filed on 15th December, 1982.

Convention date 27th April 1982/12196/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

An apparatus for heat sealing together confronting side walls of thermoplastics bags or sacks as bags or sacks pass through the apparatus, said apparatus comprising drive and control means connected to removably fitted sub-assembly which is a heat sealing head co-operating with the drive means said sealing head being provided with confronting heat transfer means between and in contact with which said bags or sacks pass whereby the confronting side walls of said bags or sacks are heat sealed together.

Compl. Specn. 9 pages.

Drgs. 5 sheets.

CLASS : 48 C & D.

158965

Int. Cl. : D07b -/18.

**"A METHOD OF FIXING A GROMMET TO AN INSULATED TELEPHONE CABLE".**

Applicant : R. K. G. Trust of Bharat Ram Road, 24, Darya Ganj New Delhi-110 002, India, an Indian trust.

Inventor : PANANGATAN MUKUNDAN.

Application for Patent No. 326/Del/83 filed on 18th May, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A method for fixation of a polyvinyl chloride grommet to a polyvinyl chloride insulated telephone filed surface to that end of the chord receiving the grommet, heating said grommet to a temperature below its softening temperature, and thereafter slipping the heated grommet onto said profiled surface.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 39 F 40 B.

158966

Int. Cl. : C 01 C, 3/02.

**"PROCESS FOR THE PRODUCTION OF HYDRO-CYANIC ACID from CARBON MONOXIDE AND AMMONIA".**

Applicant : The Standard Oil Company, an Ohio corporation, having a place of business at Patent & License Division, Midland Building, Cleveland, Ohio, 44115, U.S.A.

Inventor : VELENYI LOUIS JOSEPH, HARDMAN HARLEY FOCHI, PESA FREDERICK ANTHONY.

Application for Patent No. 463/Del/1983 filed on 06th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

A process for producing HCN by containing CO and NH<sub>3</sub> with a catalyst comprising a noncarbonaceous, porous catalyst support a Group VIII metal which comprises at least one of Fe, Ni, Co and Ru, and carbon, wherein the metal is disposed on the pore surface of the support and the carbon is randomly bonded to the metal.

Compl. Specn. 18 pages.

CLASS : 83 B.

158967

Int. Cl. : A 23 1 1/00, 3/00.

**"PROCESS FOR THE PRODUCTION OF MEAT-LIKE FOODSTUFFS"**

Applicants : AJINOMOTO GENERAL FOODS PROTEIN, INC., a Japanese Company, of 1-1 Suzuki-Cho, Kawasaki-Ku Kawasaki-Shi Kanagawa-Ken 210, Japan, Manufacturers.

Inventors : SHIGERU TOBA, MARIKO KAWABE, TAKAHICO SOEDA, MASAO TOSHIMA.

Application for Patent No. 466/Del/83 filed on 7th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for producing a meat-like foodstuff which comprises mixing :

(a) an O/W type emulsion having a compression oil-releasing ratio as herein defined of at least 15% and composed mainly of (a) protein (b) fat and oil, (c) water, the weight ratio of (a) : (b) : (c) being 1 : 7—40 : 1 : 20;

(b) a fibrous protein which is prepared by kneading a mixture of a vegetable protein-containing substance of the kind such as hemicellulose described and water, orientating the resulting mixture by applying shear stress in a heated state and, thereafter splitting it; and

(c) a binder of the kind such as herein described and molding and heating the resulting mixture.

Compl. Specn. 17 pages.

CLASS : 127 I.

158968

Int. Cl. : B 60d 1/00.

**"VEHICLE WITH PICK-UP HITCH ASSEMBLY".**

Applicant : W.S.H. TAYLOR ENGINEERING DEVELOPMENTS LIMITED, of 38 Station Road, Mersey Industrial Estate, Heaton Mersey, Stockport, Cheshire, England, United Kingdom, a British Company.

Inventor : WILLIAM STUART HICKLE TAYLOR.

Application for Patent No. 217/Del/1982 filed on 16th March, 1982.

Convention Date March 23, 1981/09061/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A vehicle having a body part supported on a resilient suspension, a driven axle and a pick-up hitch assembly, said assembly comprising a rigid support frame secured to said axle and a pick-up hitch pivotally mounted on said support frame, wherein said hitch assembly is pivotally attached to said body part and is pivotal through at least a limited range of pivotal movement of said hitch assembly relative to said body part about an axis located in, or forwardly of, a vertical plane passing through the centre of gravity of said body part.

Compl. Specn. 12 pages.

Drgs. 4 sheets.

CLASS : 40B &amp; 32D.

158969

Int. Cl. : B01 j 11/00.

**"PROCESS FOR PREPARATION OF A CATALYST ACTIVE IN THE POLYMERISATION OF ETHYLENE".**

Applicant : ENTECO IMPIANTI S.p.A., of Via Grazioli 11, Milan, Italy, an Italian Joint Stock Company.

Inventor : RENZO INVERNIZZI, FERDINANDO LIGORATI, MAURIZIO FONTANESI AND ROBERTO CATENACCI.

Application for Patent No. 345/Del/1982 filed on 4th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**8 Claims**

Process for the preparation of a catalyst which is active in the polymerization of gaseous ethylene at low pressure characterized by the steps :

(a) providing a solution consisting of  $MgCl_2$  dissolved in ethanol at a concentration of 100 to 300 g of  $MgCl_2$  per litre of solution, having a water content not exceeding 5% by weight;(b) spray drying said solution by spraying the latter into a flow of substantially anhydrous gaseous nitrogen having a purity of at least 99.9% and having an inlet temperature below 280°C while controlling the flows of said nitrogen and of said solution so that the outlet temperatures of the gaseous mixture is by at least 40°C lower than the inlet temperature and that the ethanol is not completely evaporated, to obtain  $MgCl_2$  particles of spherical form and a size in the range of from 3 to 100 microns with a residual alcoholic hydroxyl content of from 1.5% to 20% by wt. the solid  $MgCl_2$  in said particles having an X-ray spectrum in which the maximum peak at 2.56 angstrom characteristic of crystalline  $MgCl_2$  is practically absent and a few maximum peak at about 10.8 angstrom is present;(c) reacting said  $MgCl_2$  particles with a titanium halide, said halide being in the vapour or liquid form, optionally diluted with an inert, vaporizable solvent, at a temperature of from 20°C to 100°C, the reaction time being in the range of from 2 to 60 minutes, while maintaining the weight ratio between the Titanium halide and the  $MgCl_2$  particles in the reaction zone in the range of from 0.001 : 1 to 2 : 1;

(d) recovering by physical means the reaction product particles when the latter contains from 0.7% to 12% by wt. (expressed as titanium) and on dry basis of titanium chemically linked to the solid;

(e) mixing the said reaction product particles with an organometallic compound selected from the group consisting of alkylaluminium or halides of alkylaluminium, in which the alkeradical contains from 2 to 4 Carbon atoms in the same solvent used for the polymerization of ethylene, at room temperature and controlling the respective amounts so as to have in the mixture an atomic ratio between A1 and Ti of from 100 : 1 to 5,000 : 1,

Compl. Specn. 42 pages.

Drg. 1 sheet.

CLASS : 32 F<sub>1</sub> & 2 (b).

158970

Int. Cl. : C 07d 33/00.

**"A PROCESS FOR THE PREPARATION OF QUINOLINE DERIVATIVES".**

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, of Imperial Chemical House, Millbank, London SW1P 3 JF, England a British company.

Inventors : THOMAS PAUL BLACKBURN, BARRY COX, ALLEN JOHN GUILDFORD, DAVID JAMES LE COUNT, ROBERT JAMES PEARCE &amp; CRAIG WILLARD THORNBERRY.

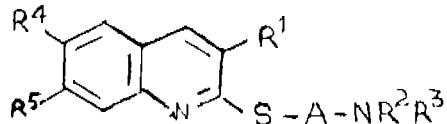
Application for Patent No. 381/Del/1982 filed on 19th May, 1982.

Convention Date on June 9th, 1981/8117642/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

**8 Claims**

A process for the manufacture of a quinoline derivatives of the Formula I



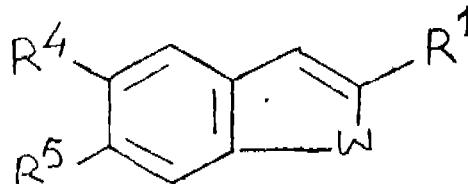
wherein :

A stands for the radical  $-(\text{CH}_2)_2-$  which may optionally be substituted by one or two (1-2C) alkyl radicals or It may be substituted by an alkylene radical so as to form, together with the residue of the  $-(\text{CH}_2)_2-$  radical, a cycloalkylene radical of not more than 6 carbon atoms; $\text{R}^1$  stands for an n-, iso- or s-(3-4) alkyl radical or a cyclopropyl radical, or  $\text{R}^1$  stands for a phenyl radical which may optionally be substituted with one to two substituent, in the latter case the same or different substituents, selected from halogen atoms and hydroxy,

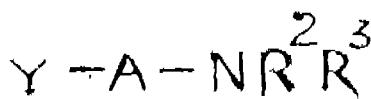
(1-4C) alkyl, (1-4C) alkoxy, (1-4C) alkythio, (1-2C) perfluoroalkyl, cyano, carboxy,

(1-2C) alkoxycarbonyl, carbamoyl,  $N$ -(1-3C) alkyl carbamoyl and  $N$ ,  $N$ -di-(1-3C) alkyl carbamoyl radicals, or  $\text{R}^1$  stands for a heteroaryl radical of five or six ring atoms containing a single hetero-atom selected from oxygen, sulphur and nitrogen atoms or containing two hetero-atoms which are either a nitrogen atom and a sulphur atom or a nitrogen atom and an oxygen atom, which heteroaryl radical may optionally be substituted with a (1-3C) alkyl radical;  $\text{R}^2$  and  $\text{R}^3$ , which may be the same or different, stand for hydrogen or a methyl or ethyl radical, or  $\text{R}^2$  stands for a dimethylene, trimethylene or tetrathylene radical which is linked to one or other of the carbon atoms forming the two-carbon-atom-backbone of the radical A so as to form, together with the adjacent nitrogen atom, a pyrrolidinyl or piperidyl radical; andone of  $\text{R}^4$  and  $\text{R}^5$  stands for hydrogen, and the other stands for hydrogen, a halogen atom, or a (1-3C) alkyl or (1-3C) alkoxy radical;

and a pharmaceutically acceptable acid-addition salt thereof characterized in that a compound of the formula IIa



4

(wherein  $\text{R}^1$  and  $\text{R}^4$  and  $\text{R}^5$  are as herein defined and W represents the group  $-\text{NH}-\text{C}-\text{S}$  is reacted with a compound of the formula IIIa

(wherein  $R^3$  and  $R^4$  are as herein defined and  $Y$  represents the group  $Z$ ,  $Z$  representing, a halogen atom or arenesulphonyloxy or alkanesulphonyloxy radical) or an acid addition salt thereof, in the presence of an acid binding agent, and preparing a pharmaceutically acceptable acid addition salt thereof by known methods,

and if desired, where an optically active isomer is required and a racemic compound of formula I or a pharmaceutically acceptable acid addition salt thereof is obtained, resolving by known method, said racemic compound of formula I.

Compl. Specn. 40 pages.

Drgs. 3 sheets.

CLASS : 32F<sub>1</sub> R<sub>2</sub> (a).

158971

Int. Cl. : C07c 121/00.

"A PROCESS FOR THE PREPARATION OF PYRETHROID INSECTICIDE ESTERS".

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., of Carel van Bylandstaan 30, The Hague, the Netherlands, a Company organized under the laws of the Netherlands, a Research Company.

Inventor : DEREK ALEXANDER WOOD.

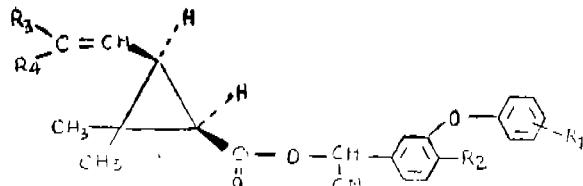
Application for Patent No. 394/Del/1982 filed on 24th May, 1982.

Convention date on 26th May, 1981/8116033/(U. K.).

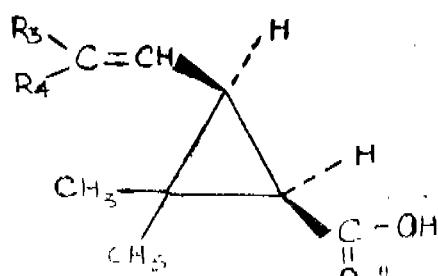
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process for the preparation of pyrethroid insecticide of general formula I

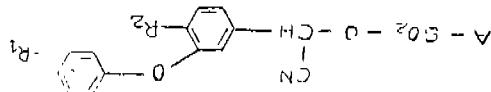


of the accompanying drawings wherein the two hydrogen atoms on the cyclopropane ring are in the *cis*-configuration and each of  $R_1$  and  $R_2$  independently represents a hydrogen or halogen atom and each  $R^3$  and  $R^4$  independently represents a chlorine or bromine atom or a methyl group characterised in that an acid of formula II



of the drawings wherein  $R^3$  and  $R^4$  are as defined above is neutralised with a water-soluble base such as herein described and then reacted in the presence of a phase-transfer catalyst with a solution such as herein described in a sub-

stantially water-immiscible organic solvent of an alpha-cyanobenzyl aryl sulphonate of formula III



of the drawings wherein  $A$  represents an optionally substituted aryl group and  $R_1$  and  $R_2$  are as defined above to prepare the compound of formula I.

Compl. Specn. 17 pages.

Drg. 1 sheet.

CLASS : 128I.

158972

Int. Cl. : A61m 15/00.

"DOSAGE INHALATOR".

Applicant : AKTIEBOLAGET DRACO, of Box 1707, S-221 of Lund, Sweden, a Swedish company.

Inventor : KJELL INGVAR LEOPOLD WETTERLIN.

Application for Patent No. 456/Del/1982 filed on 17th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A dosage inhalator intended to be activated using the air flow generated at inhalation and which is intended for inhalation of a pre-determined amount of solid pharmaceutically active compound in micronized form, said inhalator comprising a nozzle 2, an air conduit 6, a dosing unit 10 comprising a storage chamber 5 for the active compound and dosing means 8, and a maneuvering unit 1, characterized in that the dosing unit 10 comprises a storage chamber 5 for the active compound, a perforated membrane 4, a holder 9 for the said perforated membrane, and dosing means 8 for introducing active compound into the perforations in the perforated membrane 4, whereby the said membrane 4 is displaceably arranged in relation to the dosing means 8, so that in a first position solid active compound in micronized form can be introduced into the perforations in part of the area of the membrane 4 and in a second position the said part of the membrane 4 including perforations for holding the pre-determined amount of active compound can be inserted across the air conduit 6 for the air to be inhaled.

Compl. Specn. 13 pages.

Drgs. 2 sheets.

CLASS : 47 C.

158973

Int. Cl. : C 10b 25/00.

"COKING OVEN WITH OVEN DOORS".

Applicant : WSW PLANUNGS-GMBH, of Riphauhof, 4355 Waltrop, Federal Republic of Germany, a company organized under the laws of Federal Republic of Germany.

Inventors : WILHELM STOG AND JUCHEN STOG.

Application for Patent No. 494/Del/1982 filed on 30th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

Coking oven with oven doors for sealing the top side of the oven chamber against the chamber frame wherein said oven doors each has on the inside of the door body a spaced coking plate, on the top side of said coking plate is provided and sealing means with reset safety and pressure elements acting on the door body, said door body being an

elastic sealing plate and having holding devices for the door lifting catchers, locking bolts which connect said sealing means to said chamber frame, a pressure element which act peripherally only on the edge region of said sealing plate.

Compl. Specn. 17 pages.

Drgs. 6 sheets.

CLASS : 129 G.

158974

Int. Cl. : B21C 23/00.

"METHOD FOR THE MANUFACTURE OF TOOLING FOR CONTINUOUS FRICTION-ACTUATED EXTRUSION APPARATUS AND TOOLING SO MANUFACTURED".

Applicant : BICC PUBLIC LIMITED COMPANY, a British company of 21 Bloomsbury Street, London WC1B 3QN, England.

Inventor : NORMAN REGINALD FAIRLEY.

Application for Patent No. 560/Del/1982 filed on 21st July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A method for the manufacture of tooling as herein defined for continuous friction-actuated extrusion apparatus which comprises hot forging a nickel-chromium base alloy, cold working the forged alloy, cutting and grinding the cold worked alloy to form said tooling and heat treating the formed tooling to harden it and provide thereon an adherent oxide film, said cold working imparting to the tooling a yield strength, after cold working and heat treating of at least 1000 MN/m<sup>2</sup> at 20°C (at 0.2% offset).

Compl. Specn. 13 pages.

Drgs. 4 sheets.

CLASS : 55 E<sub>1</sub>

158975

Int. Cl. : A 61k 23/00 and C 07g 17/00.

"PROCESS OR THE PREPARATION OF DIOSGENIN ANTI-SERA FOR USE IN THE DETERMINATION OF DIOSGENIN IN A PLANT MATERIAL".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : MANJU SARKAR AND SHASHI BHUSAN MAHATO.

Application for Patent No. 564/Del/1982 filed on 24th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

Process for the preparation of diosgenin anti-sera for use in the determination of diosgenin in a plant material comprising the steps of (a) preparation of diosgenin hemisuccinate or like dicarboxylic acid derivative by reacting a dicarboxylic acid anhydride with diosgenin in the presence of an organic liquid base, (b) treating by known methods the diosgenin dicarboxylic acid derivative formed with bovine serum albumin to obtain a conjugate thereof, (c) injecting the conjugate phosphate buffer saline solution the rabbits to obtain a serum by cardiac puncture as a mixture of bovine albumin antisera and diosgenin antisera, (d) incubating the serum obtained to decomplementation,

(e) treating purified decomplemented sera to separate pure diosgenin sera, (f) passing purified decomplemented sera dissolved in a phosphate buffer saline through a bovine serum albumin and (g) eluting the absorbed bovine serum albumin antisera.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 129 G.

158976

Int. Cl. : B21C 23/00.

CLASS : 201 C & D.

158976

Int. Cl. : C02b 1/20.

"APPARATUS AND METHOD FOR PURIFYING UNCLARIFIED WATER USING COMBINED FLOTATION AND FILTRATION PROCESSES".

Applicant : LENOX INSTITUTE FOR RESEARCH, INC., a non-profit organization incorporated under the laws of the State of Massachusetts, United States of America, of 101 Yokum Avenue, Lenox, Massachusetts, 01240, U.S.A.

Inventor : MILOS KROFTA.

Application for Patent No. 568/Del/1982 filed on 26th July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

An apparatus for purifying unclarified water comprising : a cylindrically shaped tank having an upwardly directed outer wall and a generally flat bottom, an inlet pipe extending vertically through the center portion of said tank, a cylindrically shaped compartment positioned about said inlet pipe in the center portion of said tank and having an upwardly directed outer wall, a carriage supported between the upper portion of said tank wall and the upper portion of said compartment wall, means for circular movement of said carriage around the vertical axis of the tank supported by said carriage, and means on said carriage supporting a fluid distributor in fluid communication with said inlet pipe to discharge inlet water into said tank, and a spiral scoop sludge collector, means defining a flocculation chamber having a closed front end, an open back end, and a closed bottom carried by said carriage, said fluid distributor positioned ahead of the closed end of said flocculation chamber, an upwardly directed circular wall defining a sludge storage space within said compartment around said inlet pipe to receive sludge, collected by said scoop, sludge discharge means for said sludge storage space, said upwardly directed circular wall defining with the wall of said compartment a clarified water storage space positioned outwardly of said sludge storage space, clarified water discharge means for said clarified water storage space, filter means extending substantially over the bottom of said tank outwardly of said cylindrically shaped compartment, means radially dividing said filter means into horizontally positioned sections, horizontally extending filter partitions extending across said horizontally positioned sections defining filter receiving space on the top thereof, said horizontally extending filter partitions defining clarified water receiving spaces positioned thereunder, clarified water inlet means leading from said clarified water receiving space to said clarified water storage space, filter back washing means for at least one of said filter sections carried by the carriage at the leading end thereof and operable while the remainder of said filter sections are filtering water into said clarified water storage space, dissolved air in water injection means carried by the carriage at the lower back end of the flocculation chamber above the floor thereof and providing air bubble action engaging floes in the water and producing a generally upward current flow of water and floes in said tank in the vicinity of said bubble action.

Compl. Specn. 24 pages.

Drgs. 3 sheets.

CLASS : 50 B.

158977

Int. Cl. : F28f-25/02, F25d-1/02.

"A WATER DISTRIBUTION MEANS FOR USE IN AN AIR COOLER".

Applicant : RAM NARAIN KHER, an Indian National of B-45 New Delhi South Extension, Part-A, New Delhi-110 049, India.

Inventor : KHER RAM NARAIN.

Application for Patent No. 586/Del/1982 filed on 31st July, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A water distribution means for an air cooler comprising a channel or tray for holding water and means for transferring the water from the channel or tray to pads having water absorbing fibrous material on a side of air cooler, characterised in that the transfer means includes a sheet member having two arms spaced from each other at its top portion, one of the arms being shorter than the other arm, at least one longitudinal slot is formed on the top portion of the sheet member at the junction of the two arms, a plurality of spaced holes is formed in the shorter arm, a plurality of holes is formed near the lower portion of the longer arm, and a strand of fibres having capillary action passed through the said holes on both the arms and thus wound on the sheet member, the shorter arm on the sheet member being inserted in water in the said channel or tray and the longer arm with the said strand being in contact with the said pads.

Compl. Specn. 11 pages.

Drg. 1 sheet.

CLASS : 47 B.

158978

Int. Cl. : B 01 j 7/00.

## APPARATUS FOR PRODUCING BIOGAS.

Applicant & Inventor : JOSEF PROBST OF HIRZAU 55, DEGGENDORF, WEST GERMANY.

Application No. 2/Cal/83 filed January 1, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

39 Claims

An apparatus for producing biogas from organic substrate material comprising a reactor drum for receiving the substrate, said reactor drum having a horizontal axis and an agitating mechanism and a first end face (feed wall) of said reactor drum being provided with means for feeding fresh substrate and means for discharging the fermented substrate, and further comprising means for withdrawing the produced biogas, and a heating for supplying the process heat, characterized in that for feeding fresh substrate material (62) a feed pipe (50) connected to a charging container adjacent the feed wall (26) extends coaxially through said reactor drum (1) into the vicinity of the opposite, second end wall (28) where the outlet (52) of said feed pipe (50) opens into said reactor drum (10), that a screw conveyor (54) corresponding to the length of said reactor drum (10) is disposed about said feed pipe (50), the delivery side of said screw conveyor (54) leads, at said feed wall (26), to a discharge pipe (38), and that the wall of said reactor drum (10) is equipped with a heating for supplying the process heat.

Compl. Specn. 32 pages.

Drgs. 14 sheets.

CLASS : 129-C, F, G.

158979

Int. Cl. : B 23 c 9/00 &amp; B 23 b 47/00.

## GANG HEAD FOR A REPLACEABLE GANG HEAD MACHINE TOOL.

Applicant : HONDA GIKEN KOGYO KABUSHIKI KAISHA, OF NO. 27-8, 6-CHOME, JINGUMAE, SHIBUYA-KU, TOKYO, JAPAN.

Inventors : 1. TAKESHI OKUBO, 2. HIDEO KODA-CHI, 3. MASAKI MIYANAKA.

Application No. 60/Cal/83 filed January 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A gang head for a replaceable gang head machine tool having a machine base that is provided thereon with a driving unit movable to advance and retreat to and from a jig table located in front thereof, and an annular rail arrangement surrounding the driving unit and comprising a rear stationary rail and a front movable rail movable to advance and retreat together with the driving unit; the gang head being mountable at a mounting base frame thereof on the annular rail arrangement and having a working unit so mounted on a front surface of the mounting base frame that its axial direction may be inclined to the advancing and retreating directional line of the movable rail, the working unit being oil pressure operated so as to be movable to advance and retreat in the axial direction thereof.

Compl. Specn. 12 pages.

Drg. 5 sheet.

CLASS : 205-G.

158980

Int. Cl. : B 60 c 23/00.

## AIR SUPPLY DEVICE FOR TYRES OF MOTOR VEHICLES HAVING CARRIAGE WITH EPICYCLIC GEAR HUB.

Applicant : MAGYAR VAGON-ES GEPGYAR OF 9002 GYOR, HUNGARY.

Inventors : 1. LASZLO PALMAY, 2. EDE CSARICS.

Application No. 137/Cal/83 filed February 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

Air supply device for tyres of motor vehicles having a carriage with epicyclic gear hub for control of the air supply of tyres from the driving compartment, characterized in that a conventional housing is carried in bearings on the differential shaft of the carriage, and an air space in that housing is sealed with conventional oil seals, while a communicating means used for admission of the air is guided in a bed made of flexible material such as oil-resisting rubber, surrounded with a bell made similarly of flexible material.

Compl. Specn. 7 pages.

Drg. 1 sheet.

CLASS : 88-D.

158981

Int. Cl. : C 10 j 1/00.

## A METHOD OF OBTAINING AN OPTIMUM YIELD OF GAS OF OPTIMAL QUALITY BY GASIFICATION OF HIGH ASH-CONTENT BITUMINOUS FUELS IN A GASIFIER.

Applicant : DR. C. OTTO & COMP. GMBH., OF CHRISTSTRASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventors : 1. DR. PAUL GERNHARDT, 2. DR. JURGEN TIETZE, 3. WILHELM DANGUILLIER, 4. PETER SCHNITZLER.

Application No. 171/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A method of obtaining a high yield of gas of constant quality by gasification of high ash-content bituminous fuels in a gasifier comprising a gas generator with a low-temperature carbonization apparatus fitted thereto, characterized in that, taking the conventional total height of the gas generator, for a fuel ash content upto 15%, as being 1.80 to 2m, the height of the layer of fuel in the gas generator is increased by 150 to 300mm, preferably 200mm, for every 5% above 15% ash content, by adjusting the heights of the individual zones of the layer of fuel.

Compl. Specn. 8 pages.

Drg. Nil.

CLASS : 136-C & E.

158982

Int. Cl. : B 29 d 7/00.

PLASTIC SHEET HAVING HIGH GLOSS AND LOW COEFFICIENT OF FRICTION AND METHOD FOR PRODUCING THE SAME.

Applicant : AMERICAN CAN COMPANY, OF AMERICAN CAN LANE, P. O. BOX 3610, GREENWICH, CONNECTICUT 06836-3610, UNITED STATES OF AMERICA.

Inventor : 1. EILEEN F. O'SULLIVAN.

Application No. 190/Cal/83 filed February 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A plastic sheet having a surface of high gloss and low coefficient of friction comprising a layer of thermoplastic material with a smooth surface interrupted by randomly distributed prominences having an average area of less than 16,000 square microns, an average height of about 5 microns, a standard deviation of the height of the prominences about the average of less than 3 microns, and an average frequency of the prominences over the surface of the sheet of 3,000 per square centimeter, the prominences being substantially convex and rounded about their peripheries.

Compl. Specn. 12 pages.

Drg. 3 sheets.

CLASS : 28-F.

158983

Int. Cl. F 23 d 17/00.

BURNER FOR PULVERIZED, GASEOUS AND/OR LIQUID FUELS.

Applicant : KORTING HANNOVER AG., OF BADEN-STEDTER STR. 56, 3000 HANNOVER 91, WEST GERMANY.

Inventors : 1. DR. UWE WIEDMANN, 2. DR. ADOLF HUPE, 3. JURGEN SCHMINCK, 4. ERNST-JOACHIM SIEVERT.

Application No. 193/Cal/83 filed February 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A burner for pulverised, gaseous and/or liquid fuel comprising an ignition chamber communicating with an outlet pipe, a fuel jet inlet opening centrally of the chamber wall remote from the outlet, a first air inlet disposed about the fuel jet inlet opening and operable to feed twisting or spiralling combustion air to the chamber to produce a hot recirculation flow inside the chamber to thoroughly mix the fuel jet and produce a fuel air mixture and heat it to ignition temperature, and a second air inlet for supplying further combustion air to the mixture upstream of the outlet pipe.

Compl. Specn. 27 pages.

Drgs. 9 sheets.

CLASS : 64-B.

158984

Int. Cl. : H 01 f 9/00.

ARRANGEMENT FOR DETACHABLY CONNECTING A WIRE TO A CIRCUIT BOARD CONDUCTOR.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : KURT GROSSMANN, 2. JURGEN BLIESNER.

Application No. 212/Cal/83 filed February 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An arrangement for detachably connecting a wire to a conductor lamination of a circuit board, the arrangement comprising :

a first conductor lamination portion arranged on the circuit board to extend inwardly thereon from a region in the vicinity of an edge of the circuit board and intermediate of first and second circuit board slots which are substantially parallel with each other and arranged to extend inwardly from an edge of the circuit board;

a clamping cage having first and second lateral portions for engaging in said first and second circuit board slots, respectively, a contact bridge portion mechanically coupled to said first and second lateral portions for holding the wire and arranged on a side of the circuit board where said first conductor lamination portion is arranged, and an engagement bridge portion mechanically coupled to said first and second lateral portions for securing said clamping cage;

first and second contact plates movably arranged on respective sides of the circuit board and within said clamping cage, each contact plate being provided with laterally extending tabs for bridging said first and second circuit board slots, the wire being interposed between said first contact plate and said contact bridge portion of said clamping cage; and

engagement means for engaging with said engagement bridge portion of said clamping cage and said second contact plate for securing said contact bridge portion of said clamping cage against the wire.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 63-I.

158985

In. Cl. : H 05 h 7/00.

ENERGY GENERATION SYSTEM HAVING HIGHER ENERGY OUTPUT THAN INPUT BY CONVERSION OF MATTER INTO ENERGY.

Applicant & Inventor : JOSEPH WESTLY NEWMAN OF ROUTE 1, BOX 52, LUCEDALE, MISSISSIPPI 39452, U.S.A.

Application No. 242/Cal/83 filed February 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims

An electrical energy generation system for generating useable electrical energy by conversion of matter into energy comprising :

a source of at least one magnetic field;

useable electrical energy output means associated with said magnetic field for making available for use the useable electrical energy generated in the system; and

application means associated with said magnetic field for applying an adequate force at the proper angle to the gyroscopic type energy particles making up said magnetic field to cause said gyroscopic type energy particles to follow a desired direction producing useable electrical energy at said output means, the amount of said useable electrical energy being greater than the amount of any external energy input to said source and said application means.

Compl. Specn. 44 pages.

Drgs. 3 sheets.

CLASS : 201-A.

158986

Int. Cl. : C 02 c 5/04.

## METHOD AND APPARATUS FOR BREAK-POINT CHLORINATION OF WASTE WATER.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. THEODORE NICHOLAS MATSKO.

Application No. 328/Cal/83 filed March 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A method for the breakpoint chlorination of waste water containing an amount of ammonia to be oxidized comprising :

supplying the waste water at a selected flow rate to a mixer tank;

measuring the amount of ammonia in the supplied waste water;

initially dosing the waste water in the mixing tank with a first amount of chlorine which is a selected multiple of the measured ammonia amount by weight;

supplying the waste water plus dosed chlorine from the mixing tank to a reaction tank where chlorine and ammonia react;

supplying the waste water out of the reaction tank;

measuring a change in time of residual chlorine in the waste water coming from the reaction tank;

calculating the derivative of change in residual chlorine per change in dosed chlorine; and

when the slope of said derivative is negative dosing the mixing tank with a second amount of chlorine according to a selected ramp function.

Compl. Specn. 19 pages.

Drgs. 2 sheets.

CLASS : 108-C<sub>2</sub>.

158987

Int. Cl. : C 21 c 5/52.

## PROCESS OF MAKING STEEL BY MELTING SPONGE IRON IN AN ELECTRIC ARC FURNACE.

Applicant : METALLGESELLSCHAFT A.G., OF 16, FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors : 1. LOTHAR FORMANEK, 2. MARTIN HIRSCH, 3. WOLFRAM SCHNABEL, 4. HARRY SERBENT, 5. DETMAR ARIT, 6. KLAUS-DIETRICH FRITZSCHE, 7. HERIBERT KOENIG.

Application No. 358/Cal/83 filed March 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

An improved process for making steel from sponge iron which comprises melting sponge iron in an electric arc furnace characterized in that a charge of sponge iron is first melted in an electric reduction furnace to produce a carbon-containing liquid iron, whereafter the said carbon-containing liquid iron is fed to said electric arc furnace to maintain a pool of molten carbon containing liquid iron, followed by, charging additional sponge iron on said liquid metal pool and carrying out the melting of said additional sponge iron in the presence of said liquid metal pool, optionally utilising the waste heat from the exhaust gases of the electric arc furnace to produce power in a known manner, which exhaust gas is optionally after burnt before it is used to produce power.

Compl. Specn. 19 pages.

Drgs. 2 sheets.

CLASS : 33-C.

158988

Int. Cl. : B 22 c 1/16.

## BINDER FOR COLD-HARDENING MOULDING SAND.

Applicants : 1. NAUCHNO-PROIZVODSTVENNOE OBDIENENIE PO TEKHOLOGII MASHINOSTROENIIA "TSNIITMASH", ULITSA SHARIKOPODSHIPNIKOVSKAYA, 21, MOSCOW, USSR; 2. GOSUDARSTVENNY NAUCHNO-ISSLEDOVATEL'SKY INSTITUT KHMII I TEKHOLOGII ELEMENTOORGANICHESKIH SOEDINENIY, SHOSSE ENTUZIASTOV, 38, MOSCOW, USSR.

Inventors : 1. NINA TAKOVIEVNA TSYGANKOVA, 2. BORIS VULFOVICH TAKOBSON, 3. SERGEI SEMENOVICH ZHUKOVSKY, 4. VIKTOR NAUMOVICH ROMASHKIN, 5. IRINA PARAMONOVNA KHAZOVKA, 6. EVGENY ANDREEVICH CHFRNYSHEV, 7. ZOYA VASILIEVNA BELYAKOVA, 8. SVETLANA AFANASIEVNA EVTEEVA, 9. MAYA GRIGORIEVNA POMERANTSEVA, 10. DMITRY ALESANDROVICH KUZNETSOV, 11. SEMEN IOSIFOVICH RIVKIN, 12. ANATOLY MIKHAILOVICH VOITSEKHOVICH, 13. MIRRA-LJUDMILA SOLOMONOVNA KROL.

Application No. 359/Cal/83 filed March 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

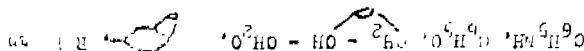
## 4 Claims

A binder for a cold-hardening moulding sand comprising 99.0—99.8% by mass of a synthetic poly-condensation-type resin and 0.2—1.0% by mass of an organosilicon monomer of the general formula :

$R' (CH_2)_n Si (CH_3)_m (OR)_8$ —  
wherein  $n = 1, 3$ ;

$m = 0, 1$ ;

$R'$  is  $NH_2, NH, CH_2CH_2NH, NH_2$ .



aliphatic hydrocarbon radical of a branched structure containing 5 to 10 carbon atoms.

Compl. Specn. 27 pages.

Drg. Nil.

## OPPOSITION PROCEEDINGS

## (1)

The opposition entered by M/s. Electrophotomax, New Delhi to the grant of a patent on application No. 151631 made by M/s. R. B. M. Poona Mills as notified in the Gazette of India, Part-III, Section 2 dated the 24th December, 1983 has been dismissed and ordered that a patent to be sealed on the application subject to amendment of the complete specification.

## (2)

The opposition entered by M/s. Diamond Engineering Corporation, Roorkee to the grant of a patent on application No. 151631 made by M/s. R. B. M. Poona Mills as notified in the Gazette of India, Part-III, Section 2 dated the 14th January, 1984 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the complete specification.

## (3)

An opposition has been entered by Council of Scientific & Industrial Research to the grant of a patent on application No. 158023 made by RHEINISCH-WESTFALISCHES ELEKTRIZITÄTSWERK AG.

## (4)

An opposition has been entered by I. D. L. Chemicals Limited to the grant of a patent on application No. 158123 made by Union Explosives Rio Tinto, S.A.

## PATENTS SEALED

137930	144114	145211	146897	147024	147117	147126
148816	151176	152162	154706	154768	155538	156146
156320	156403	156423	156508	156566	156576	156609
156653	156817	156939	157037	157039	157141	157143
157145	157147	157155	157156	157157	157159	157160
157165	157227	157230	157271	157277	157281	157282
157285	157286					

## AMENDMENT PROCEEDING UNDER SECTION 57

The amendment proposed by Union Carbide Corporation, in respect of Patent application No. 155745 as advertised in Part III, Section 2 of the Gazette of India dated the 4th October, 1986 has been allowed.

## RENEWAL FEES PAID

139037	140187	140654	141083	141137	141536	141567
141701	142348	142611	143026	143286	143973	144181
145907	146017	146260	146601	146699	146948	147307
147562	147937	147991	148110	148180	148194	148408
148729	148996	149063	149124	149496	149608	149670
149683	149758	149759	149844	150067	150134	150176
150182	150524	150672	150834	150924	151066	151147
151317	151322	151757	151875	151937	151967	151968
151996	152006	152194	152281	152587	152780	152835
152873	153247	153263	153377	153415	153594	153877
154071	154462	154558	154705	154717	154863	154929
155008	155147	155184	155224	155316	155486	155605
155843	155966	155981	155997	156002	156027	156031
156032	156070	156089	156122	156128	156143	156158
156206	156214	156216	156219	156220	156222	156309
156332	156346	156359	156361	156362	156383	156386
156462	156463	156510	156561	156579	156585	156619
156620	156621	156622	156775	156788	156794	156795
156841	156865	156867	156871	156872	156874	156902
156919	156927	156928	156931			

## RESTORATION PROCEEDINGS

## (1)

Notice is hereby given that an application for restoration of Patent No. 144620 dated the 5th April, 1977 made by Pulp and Paper Research Institute on the 4th February, 1986 and notified in the Gazette of India, Part-III, Section 2 dated the 2nd August, 1986 has been allowed and the said patent restored.

## (2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151632 granted to Jnana Prabodhini for an invention relating to "areca-nut-Peeler".

The patent ceased on the 15th December, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 3rd January, 1987.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the controller of Patents. The Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-20, on or before the under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## (3)

Notice is hereby given that an application for restoration of Patent No. 154589 dated the 28th April, 1980 made by Hoechst Aktengesellschaft on the 5th May, 1986 and notified in the Gazette of India, Part-III, Section 2 dated the 27th September, 1986 has been allowed and the said patent restored.

## REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157035. Miraj Electrical & Mechanical Co. Pvt. Ltd., (a company Regd. under Indian Companies Act) M. N. D'Souza Compound, Kherani Road, Saki Naka, Bombay-400 072, Maharashtra, India. "The front Panel of are welding transformer". 7th May, 1986.

Class 1. No. 157191. Eloic Industries (India) Kashmere Gate Delhi-6, India, An Indian Partnership concern. "Air Filters being Motor Parts". 23rd June, 1986.

Class 1. No. 157299. Shree Krishnakeshav Laboratories Ltd., Amraiwadi Road, Ahmedabad-380 008, Gujarat, India, an Indian Company. "Stopper Extractor". 30th July, 1986.

Class 1. No. 157315. Moskovsky Nauchno-Issledovatel'sky Institut Mikrokhirurgii Glaza, 59a Beskudnitsky Bulvar, Moscow, U.S.S.R., an organisation existing under the laws of U.S.S.R. Microcomputer Electric Oculographic System". 4th August, 1986.

Class 1. No. 157367. Paman Products Private Limited, a Company incorporated under the Companies Act, having its registered office at 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay-400 016, Maharashtra, India. "Car Stereo Tape Recorder". 22nd August, 1986.

Class 1. No. 157368. Shrikant Digambar Gogate, Indian National of D/448, Mahindra & Mahindra Colony, Shri Krishna Nagar, Borivali (East), Bombay-400 066, State of Maharashtra, India. "Greater". 22nd August, 1986.

Class 3. No. 157329. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container". 13th August, 1986.

Class 3. No. 157321. Anjali Products, 170, Bombay-Talkies Compound, Malad (West), Bombay-400 064, State of Maharashtra, India. "A Handle For Cooking Kit". 6th August, 1986.

Class 3. No. 157330. Pidilite Industries Pvt. Ltd., of Regent Chambers, 7th Floor, Nariman Point, Bombay-400 021, Maharashtra, India, an Indian Company. a "Container". 13th August, 1986.

Class 3. No. 157360. Bharani Chemical Co., 30 Watkins Street Perambur, Madras-600 011, Tamil Nadu, India, a Partnership firm duly registered under the Indian Partnership Act, "Containers". 20th August, 1986.

Class 3. No. 157371. Prestel Communications Pvt. Ltd. an Indian Company of Flat 1207-12th Floor, Hemkant Tower 98, Nehru Place, New Delhi-110 019, India. "Telephone Set". 25th August, 1986.

Class 3. No. 157420. Royal Industries, 3541-Qutab Road, Delhi-110 006, India, an Indian Partnership concern. "Tray Set". 5th September, 1986.

Class 3. No. 157441. Shree Krishna Keshav Laboratories Limited, Amraiwadi Road, Ahmedabad-380 008, Gujarat, India, an Indian Company. "Dispenser for Bandage". 10th September, 1986.

Class 3. Nos. 157421, 157422, 157423, 157424, 157425, 157426, 157427, 157428, 157429. Lion Pencils Private Limited, (a Company incorporated under the provisions of Indian Companies Act) at Andrew Nagar, S. V. Road, Dahisar, Bombay-400 068, State of Maharashtra, India. "Pencil". 8th September, 1986.

*Extn. of Copyright for the Second period of five years.*

Nos. 151376, 155448, 156910, 156940, 156941 Class-3.  
 Nos. 156862, 156863 Class-5.

No. 156956 Class-12.

*Extn. of Copyright for the Third period of five years.*

Nos. 155448, 156910, 156940, 156941 Class-3.  
 Nos. 156862, 156863 Class-5.  
 No. 156956 Class-12.

R. A. ACHARYA  
 Controller General of Patents, Designs  
 and Trade Marks.